



Conductive Cardboard.



Price



Competitive pricing across
Corstat product range.

Design



Custom manufactured
conductive cardboard
packaging available on request.

Choice



Wide range of ESD safe
packaging available.

Conductive Cardboard

Description

Conductive cardboard is an excellent packaging material that is both clean and long-lasting. It has an excellent shelf life of 10 years to ensure long lasting performance. There are two layers to the material: a buried shielding layer and a sealed surface. These layers provide an effective, controlled path to Earth for static charge and encourages a static safe environment. Conductive cardboard offers high performance, reliability and consistent appearance regardless of end application or product use. The material is fully bio-degradable and environmentally friendly. It is also safe for handling and contains no harmful chemicals.



Compliant according to IEC-61340-1-5 International Standard

Key Features

- ⚡ Exceptional conductive performance for protecting electronics and minimising costs of damage.
- ⚡ Buried shielding layer creates an effective, reliable “Faraday Cage” effect for highest protection.
- ⚡ 10 year shelf life ensures longevity and ongoing performance.
- ⚡ A cost-effective alternative to moulded plastic to further reduce costs.
- ⚡ Biodegradable and eco-friendly, with no requirement for specialist / costly disposal methods.
- ⚡ Fully recyclable.
- ⚡ Completely inert (no halogenated compounds, aromatics etc.) to eliminate need for PPE.
- ⚡ Can be easily converted on standard machinery, including the ability for overprinting.
- ⚡ Available as coated ESD cardboard sheets, or a wide range of prefabricated products within 48 hours.
- ⚡ Recognised industry standard ESD cardboard, providing “tried & trusted” performance.
- ⚡ Low runs (from 200sq metres) allows you flexibility with order volumes.
- ⚡ CE, RoHS and REACH compliant.
- ⚡ Compliant according to IEC-61340-1-5 International Standard.

Customisation

E.S.D. safe shipping / storage / transportation packaging can be produced to suit any individual requirements. Packaging can be designed and manufactured using various methods and materials to suit all individual devices offering both mechanical protection and full E.S.D. protection. CORSTAT products can easily be custom designed/manufactured to produce boxes/lids, trays, tubes, divider sets or any other packing cartons required to safely transport/store the most sensitive devices. For the more heavy products, boxes can be produced in double-wall thickness for added protection.

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Electrical Properties	Typical Values
Surface Resistivity (per ASTM D257-78)	Buried Shielding Layer <10 ohms/sq Exterior Layer <10 ohms/sq
Electrostatic Decay Rate (per Mil B 81705B, Test Method 4046 Federal TMS 101B)	Less than 2.0 seconds to theoretical zero
ESD Shielding	99.9% Attenuation (Capacitive Probe Test)
Triboelectric Charge Generation	Approximately 0.1 C/inch std. condition

Chemical Properties	Typical Values
Surface Resistivity	
Reducible Sulphur	.00035% (.0008% non-tarnishing to silver, solder and copper per TAPPI T-406)
Amines	None
Galvanic Reaction	None

Mechanical Properties	Typical Values
Liner Papers	100% pure Kraft
Shelf Life	10 years
Humidity Dependence	No effect on electrical properties



Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

Request complimentary, no obligation advice by speaking with one of our technical experts today.

